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## CLAIMS

- A method of optimizing data transfer in a cellular mobile radio system which implements a procedure liable to disturb said transfer of data, wherein said transfer of data is continued during implementation of said procedure with a reduced size of the radio protocol data units transferred.
- A method according to claim 1, wherein said procedure
  is a cell change procedure.
  - 3. A method according to claim 1, wherein said system is a GPRS system and said radio protocol data units are logical link control protocol data units obtained in particular by segmenting higher level network layer protocol data units.
  - 4. A cellular mobile radio network entity for implementing a method according to claim 1, the entity including:
  - means for transferring radio protocol data units of reduced size during implementation of said procedure.
  - 5. An entity according to claim 4, including, when said network is a GPRS network and said radio protocol data units are logical link control protocol data units obtained by segmenting higher level network layer protocol data units:
  - means for segmenting said higher level protocol data units into radio protocol data units of reduced size during implementation of said procedure.
  - An entity according to claim 5, the entity being a serving GPRS support node entity.
  - 7. A mobile station for implementing a method according to claim 1, the mobile station including:

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- means for receiving radio protocol data units of reduced size during implementation of said procedure.
- 8. A mobile station according to claim 7, further including, when said network is a GPRS network and said radio protocol data units are logical link control protocol data units obtained for example by segmenting higher level network layer protocol data units:
- means for reassembling said higher level protocol data units into higher level radio protocol data units during implementation of said procedure.